BRUHATH BANGALURU MAHANAGARA PALIKE

NAME OF WORK:- Detailed estimate for the work of Construction of RCC drain at Ayappa swamy Temple in Ward No. 7

ESTIMATED COST 750000.00

Sl	DESCRIPTION	NO	L	B	D	QTY	UNIT	RATE	AMOUNT
1	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. (P.No.149, I.No.19.1 of PW,P&IWTD S.R 2011-12)								
	Near workspot over burden earth	1	5.00	6.00	0.90	27.00			
		1	15.00	3.00	1.20	54.00			
						81.00	Cum	62.86	5091.34
	Basic Rate Rs. 58.20								5092.0
	Add 8% A.W Rs. 4.66								
	Total Rate Rs. **62.86**								
2	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and slectrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking specification. (P-5,I-2.4 PWD SR 2011-12)								
	RCC drain	1	2	117.00	1.00	1.00	234.00		
						234.00	Cum	217.08	50796.72
	Basic Rate Rs. 201.00								
	Add 8% A.W Rs. 16.08								
	Total Rate Rs. **217.08**								
3	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms. thick well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2011-12								
	RCC drain	1	1	117.00	1.00	0.15	17.55		
						17.55	Cum	3939.41	69136.61
	Basic Rate Rs. 3647.60								69137.0
	Add 8% A.W Rs. 291.81								
	Total Rate Rs. **3939.41**								

4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses. parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc..,including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2011-12									
	RCC drain	1	4	117.00	0.90	0.10	42.12			
							42.12	**Cum**	**5296.75**	**223099.19**
	Basic Rate Rs.	4904.40								
	Add 8% A.W Rs.	392.35								
	Total Rate Rs.	**5296.75**								
5	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5 m including cost of all labour complete as per specifications. (P-6,I-2.10 PWD SR 2011-12)									
		2	1	117.00	0.30	0.60	42.12			
							42.12	**Cum**	**97.20**	**4094.06**
	Basic Rate Rs.	90.00								
	Add 8% A.W Rs.	7.20								
	Total Rate Rs.	**97.20**								
6	Providing T.M.T steel reinforcement for R.C.C work including straightening cutting, bending, hooking, placing wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of ,materials, labor HOM of machinery completed as per specifications. (P.No.19/4.46PWD SR 2011-12)									
	40% OF Qty vide Item No. 4+9		**42.12**		0.40		16.85			
							16.85	**Qntl**	**7347.82**	**123796.13**
	Basic Rate Rs.	6803.54								
	Add 8% A.W Rs.	544.28								
	Total Rate Rs.	**7347.82**								
7	Providing and laying 10cms thick precast R.C.C. slabs (DATA RATE)									
			1	117.00	1.00		117.00			
							117.00	**Sqm**	**1500.00**	**175500.00**

8	Providing and removing centering, shuttering, shuttering, strutting, propping etc.., and removal of form work for vertical surface such as walls at any thickness, including attached plasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. (P.No.17/4.31 PWD SR 2011-12)							
	For RCC drain	1	1 X 4	100.00	1.00	400.00		
						400.00	Sqm	221.40
	Basic Rate Rs.	205.00						
	Add 8% A.W Rs.	16.40						
	Total Rate Rs.	221.40						
9	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141)							
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00	Cum						
	Average weight of earth 1.28 tonne / kg for 5X1.28X2.00=12.80 PAGE NO.147			Qty vide Item No.01+02		181.00	cum	81.00
	Add loading and unloading Vide item no.17.1 P.no.141	12.80 62.20 75.00						
	Area Weightage @ 8%	6.00						
	Total	81.00						
10	Miscellaneous							
							Total Estimate Cost	750000.00
	(Rs. Seven lakhs fifty thousand only)							

Technical Sanction for Rs. 750000-00
Seven lakhs fifty Thousand only
P-1771 PWD 11-12
Registered as EE No: 85/15-5-12 Subject to conditions contained enclosed memo.
No: 85/12-13 Dt. 15-5-12
AE/JE
EE (BTP. Div.)

CERTIFICATE

1) The work spot has been inspected by me and found that the work is found to be necessary and economical
2) The rates are based on SR of PWD 2011-12
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Assistant Engineer

Asst. Exe.Engineer
B.B.M.P. Bangaluru.

Executive Engineer
B.B.M.P. Bangaluru.

ADMINISTRATIVELY SANCTIONED FOR Rs. 7,50,000.00/-
Rupees Seven Lakh Fifty thousand only
Under P1771 PWD 11-12
Registered as JE(Y) No. 12-13
Subject to conditions contained in enclosed memo JE(Y) No. 190 /12-13
Dt. 14/05/12 Estimate / Sanctioned
Jc/Yel/AA/12-13 No. 190
dated 14/05/12 Rs. 7,50,000.00/-

Joint Commissioner
(Byatarayanapura)